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Test Report of Physical Properties of Cement-53 Grade

IS: 12269-2013, IS: 4031(Part-1,2,3,4,5,6,11)-1988	Date: 19-12-2020

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Sample Type	Birla Super 53-Grade
Date of Test	19-12-2020
Environmental Condition during test	Temperature: 26°C
	Humidity: 72%

Test Results

Sl. No	Physical Properties	Result	Requirements as per IS: 12269-2013
1	Finess by dry sieving (%)	1.95	-
2	Finess by Air permiability method (m^2/kg, Min)	285.4	225 m2
3	Density, (gm/cm)	3.12	-
4	Standard Consistency (%)	29.50%	Not Specified
5	Initial Setting time	145 Minutes	Not less than 30 minutes
6	Final Setting Time	240 Minutes	Not more than 15 minutes
7	Soudness (Le Chateliers Method)	1.5 mm	Not more than 10 mm

Remarks :

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Test Report of Physical Properties of Cement-53 Grade

IS: 12269-2013, IS: 4031(Part-4,6)-1988 | Date: 19-12-2020

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Sample Type	Birla Super 53-Grade
Date of Test	19-12-2020
Environmental Condition during test	Temperature: 26°C
	Humidity: 72%

Compressive Strength

Sl. No	Physical Properties	Result	Requirements as per IS: 12269-2013
1	3 Days	28.5 N/mm^2	Not less than 27 N/mm2
2	7 Days	39.0 N/mm^2	Not less than 37 N/mm2
3	28 Days	58.5 N/mm^2	Not less than 53 N/mm2

Remarks :

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Test Report of Fine Aggregate

IS: 383-2016, IS: 2386 (Part-1, 3)-1963 (Reaffirmed-2012) Date: 19-12-2020

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Sample Type	Fine Aggregate
Date of Test	19-12-2020

Total wt of the sample (gms):			1000					
IS Sieve size (mm)	Weight retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per IS: 383-2016			
					Grading Zone-1	Grading Zone-2	Grading Zone-3	Grading Zone-4
10	0	0	0.0	100	100	100	100	100
4.75	27	27	2.7	97.3	90-100	90-100	90-100	95-100
2.36	55	82	8.2	91.8	60-95	75-100	85-100	95-100
1.18	239	321	32.1	67.9	30-70	55-90	75-100	90100
600	205	526	52.6	47.4	15-34	35-59	60-79	80-100
300	203	729	72.9	27.1	5-20	8-30	12-40	15-50
150	191	920	92.0	8.0	0-10	0-10	0-10	0-15
PAN	80	1000	100.0	0.0	-	-	-	-

Result: The Tested Sample Conforms to Grading Zone-II

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Test Report of Fine Aggregate

IS: 383-2016, IS: 2386 (Part-1, 3)-1963 (Reaffirmed-2012)	Date:	19-12-2020

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Sample Type	Fine Aggregate
Date of Test	19-12-2020

Physical Properties

Sl. No	Physical Properties	Result	Requirements as per IS: 386-2016
1	Water Absorption (%)	1.50	-
2	Specific Gravity	2.59	-
3	Material Finer tha 75 micron (%)	6.90	Uncrushed fine Aggregate Max 3% Crushed Fine Aggregate Max 15% Mixed Fine Aggregate Max 12% Manufacture Fine Aggregate Max 10%

Remarks :

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Test Report of Coarse Aggregate

IS: 383-2016, IS: 2386 (Part-1, 3 & 4)-1963 (Reaffirmed-2012) | Date: 19-12-2020

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Sample Type	Coarse Aggregate
Date of Test	19-12-2020

Sieve Analysis (Particle Size Distribution) of 20mm Down Coarse Aggregate

Total wt of the sample (gms): 5000

IS Sieve size (mm)	Weight retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per IS: 383-2016
40	0	0	0.0	100	100
20	245	245	4.9	95.1	90-100
10	2560	2805	56.1	43.9	20-55
4.75	2033	4838	96.8	3.2	0-10
PAN	162	5000	100.0	0.0	-

Remarks :

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Test Report of Fine Aggregate

IS: 383-2016, IS: 2386 (Part-1, 3)-1963 (Reaffirmed 2012)

Date: 19-12-2020

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Sample Type	Coarse Aggregate
Date of Test	19-12-2020

Physical Properties

Sl. No	Physical Properties	Result	Requirements as per IS: 386-2016
1	Flakines Index (%)	13.20	Combined Flakiness and Elongation Index ahall nor exceed 40% for uncrushed and crushed aggregate
2	Elongation Index (%)	12.6	
3	Specific Gravity	2.66	-
4	Bulk Density (Loose) (Kg/l)	1.54	-
5	Bulk Density (Composed) (Kg/l)	1.58	-
6	Water Absorption (%)	0.22	-
7	Aggregate Crushing Value (%)	24.50	Max 30% for Aggregates to be used in concrete for wearing surfaces, In case aggregate Crushing Value exceeds 30% then the test for 10% fines should be conducted for aggregate to be used in concrete oter tha for wearing surfaces
8	Aggregate Impact Value (%)	22.80	Max 30% for aggregate to be used in concrete for wearing surfaces, 45% for aggregate to be used in concrete other than for wearing surface.

Remarks :

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Test Report of Coarse Aggregate

IS: 383-2016, IS: 2386 (Part-1, 3 & 4)-1963 (Reaffirmed-2012) | Date: 19-12-2020

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Sample Type	Coarse Aggregate
Date of Test	19-12-2020

Sieve Analysis (Particle Size Distribution) of 40mm Down Coarse Aggregate

Total wt of the sample (gms): 15000

IS Sieve size (mm)	Weight retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per IS: 383-2016
80	0	0	0	100	100
40	244	244	1.6	98.4	90-100
20	5432	5676	37.8	62.2	30-70
10	4332	10008	66.7	33.3	10-35
4.75	4654	14662	97.7	2.3	0-5
PAN	338	15000	100.0	0.0	-

Remarks :

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Test Report of Fine Aggregate

IS: 383-2016, IS: 2386 (Part-1, 3)-1963 (Reaffirmed-2012)	Date:	19-12-2020

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Sample Type	Coarse Aggregate
Date of Test	19-12-2020

Physical Properties

Sl. No	Physical Properties	Result	Requirements as per IS: 386-2016
1	Flakines Index (%)	12.40	Combined Flakiness and Elongation Index ahall nor exceed 40% for uncrushed and crushed aggregate
2	Elongation Index (%)	11.8	
3	Specific Gravity	2.68	-
4	Bulk Density (Loose) (Kg/l)	1.48	-
5	Bulk Density (Composed) (Kg/l)	1.52	-
6	Water Absorption (%)	0.22	-

Remarks :

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Test Result of Grain Size Analysis

(IS : 2720 Part -4)

Name of Work : Comprehensive Development works in ward No. 03 Attur

Date: 30-12-2020

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Refe	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Soil-Grain Size Analysis
Date of Test	30-12-2020

Weight before wash (gm) : 1000

Weight after wash (gm) :

IS Sieve Size (mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative (%) of Retained	Cumulative (%) of Passing (gm)	Remarks
75 mm	0	0	0	100	
20 mm	0	0	0	100	
4.75 mm	6.7	6.7	0.67	99.33	
2 mm	119.54	126.24	12.62	87.38	
425 m	204.5	330.74	33.07	66.93	
75 m	185.54	516.28	51.63	48.37	
Pan					
TOTAL					

OBSERVATION SHEET

DESCRIPTION PARTICAL		SIEVE SIZE	PERCENTAGE	Total %
Gravel	Coarse	75 mm - 20 mm	0.00	0.67
	Fine	20 mm - 4.75 mm	0.67	
Sand	Coarse	4.75 mm - 2 mm	11.95	50.96
	Medium	2 mm - 0.425 mm	13.23	
	Fine	0.425 mm - 0.075 mm	28.25	
Silt & Clay		0.075 mm Passing	48.37	48.37

Remarks :

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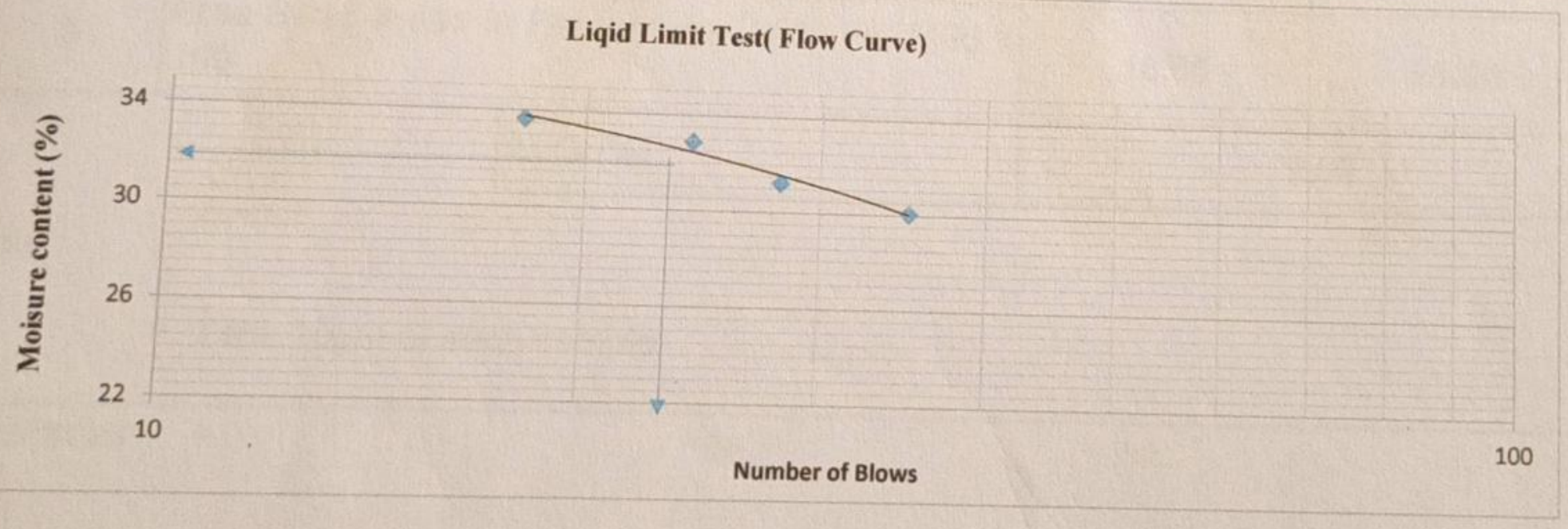
Test Result of Atterberg Limits

(IS : 2720, Part - 5)

Name of Work : Comprehensive Development works in ward No. 03 Attur | Date: 30-12-2020

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Type	Soil-Atterberg Limits
Date of Test	30-12-2020

	Determination No.	Liquid Limit				Plastic Limit	
		1	2	3	4	1	2
1	No Of Blows	18	24	28	35		
2	Container No.	S119	S120	S121	S122	S123	S124
3	Mass of Container (gm)	30.07	32.39	31.73	31.57	30.58	31.79
4	Mass of Wet Soil + Container (gm)	56.87	57.04	55.17	56.96	43.94	41.14
5	Mass of oven Dry Soil + Container (gm)	50.12	50.94	49.59	51.09	42.34	40.09
6	Mass of Water=(4-5)	6.75	6.10	5.58	5.87	1.60	1.05
7	Mass of oven dry soil =(5-3)	20.05	18.55	17.86	19.52	11.76	8.30
8	Water Content (w=6/7*100)	33.67	32.88	31.24	30.07	13.61	12.65



Liquid Limit : Moisture Content at 25 Blows

Liquid Limit	32.24	%
Plastic Limit	13.13	%
Plasticity Index	19.11	%

Remarks :

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Test Result of Free Swell Index

(IS : 2720 , Part-40)

Name of Work : Comprehensive Development works in ward No. 03 Attur — Date: 30-12-2020

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Type	Soil-Free Swell Index
Date of Test	30-12-2020

S.No.	Description of Test	Readings	
1	Vol. of Soil Specimen in Distilled Water in cc (Vd)	11.8	12.1
2	Vol. of Soil Specimen in Kerosene in cc (Vk)	10	10
3	Free Swell Index in Percentage ((Vd - Vk) / Vk) x 100	18.00	21.00
	AVG (%)	19.50	

Note :

1. Take 10gm of each sample.

Remarks :

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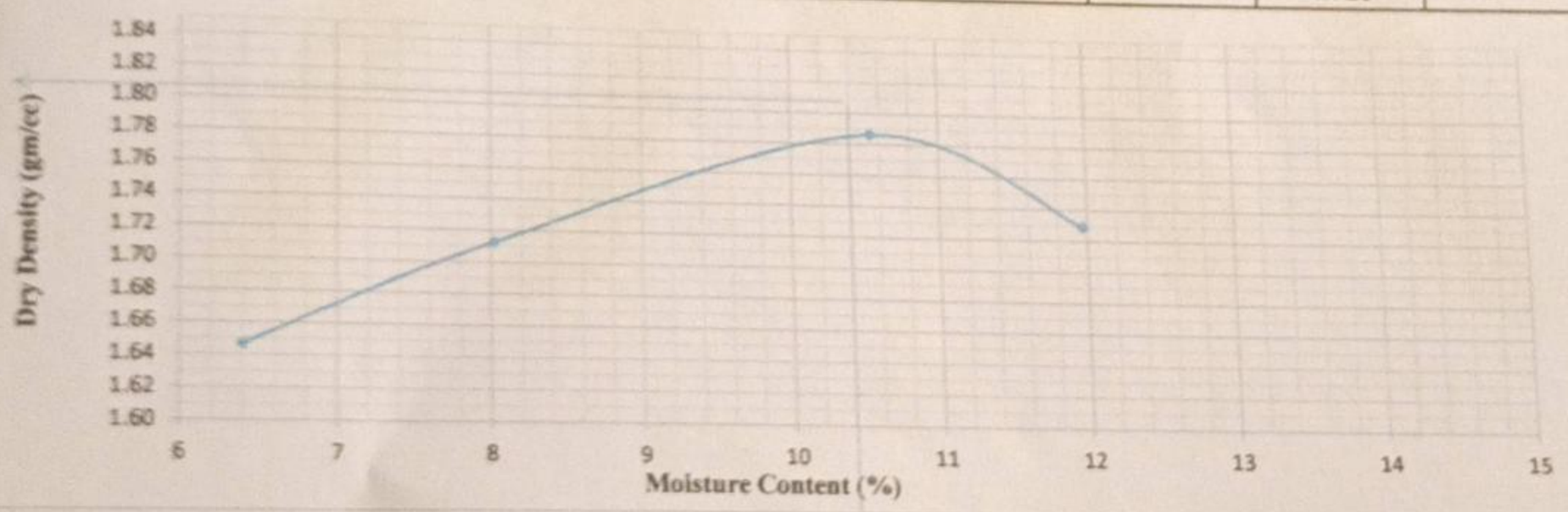
Test Result of Moisture - Density Relationship

(IS : 2720 , Part-08)

Date: 30-12-2020

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.					
Contractor	B.B Umesh (S.M.L.P Asphats)					
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20					
Source of Sample	Sample supplied by Agency					
Sample Type	Soil-Moisture - Density Relationship					
Date of Test	30-12-2020					
Region no :	Wt. Sample Taken : 5 Kg					
Determination No	1	2	3	4		
Percentage of Water taken(%)	6	8	10	12		
Mould No.	3	3	3	3		
Volume of mould (V) CC	2250.63	2250.63	2250.63	2250.63		
Mass of mould (M1) gm	5740	5740	5740	5740		
Mass of mould+Compacted soil (M2) gm	9684	9904	10184	10098		
Mass of Compacted soil(M3=M2-M1) gm	3944	4164	4444	4358		
Wet Density of soil (γ_w)=M3/V gm/cc	1.752	1.850	1.975	1.936		
Container No.	S125	S126	S127	S128		
Mass of Container (gm)	32.72	30.89	32.23	30.30		
Mass of Wet Soil+Container (gm)	105.23	109.55	111.24	120.21		
Mass of Oven Dry Soil + Container (gm)	100.87	103.71	103.71	110.6		
Mass of Water (gm)	4.36	5.84	7.53	9.61		
Weight of dry soil (gm)	68.15	72.82	71.48	80.30		
Water Content (%)	6.40	8.02	10.53	11.97		
Dry Density of Soil (γ_d)=γ_w/(1+w%) gm/cc	1.647	1.713	1.786	1.729		



Remarks :

From Graph		
Maximum Dry Density (MDD)	1.785	gm/cc
Optimum Moisture Content (OMC)	10.40	%

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Test Result of Field Density Test

IS:2720 (Part-28)

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client						Date:	30-12-2020	
Contractor			Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.					
Customer Reference			B.B Umesh (S.M.L.P Asphats)					
Source of Sample			EE(PROJECT)/YNK ZONE/WO/173/2019-20					
Sample Type			Sample supplied by Agency					
Date of Test			Soil Field Density Test (FDD)					
	MDD (gm/cc)		30-12-2020					
	OMC (%)		1.785					
Field Density			10.4					
Weight of soil from hole (Ww)		gm	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6
Weight of Sand + Cylinder (W1)		gm	11201	11326	11881	11686	11771	11621
Weight of Sand + Cylinder after pouring		gm	30000	30000	30000	30000	30000	30000
Weight of Sand in Cone (W3)		gm	19499	19414	19109	19149	19174	19284
Weight of Sand in hole	(W_b	gm	2257	2257	2257	2257	2257	2257
Unit Weight of Sand (Gs)		gm/cc	8244	8329	8634	8594	8569	8459
Volume of the hole (v)=Wb/Gs		cc	1.321	1.321	1.321	1.321	1.321	1.321
Bulk Density of Soil $\gamma = Ww / v$		gm/cc	6240.73	6305.07	6535.96	6505.68	6486.75	6403.48
Moisture content by RMM		%	1.79	1.80	1.82	1.80	1.81	1.81
Dry density of soil $\gamma_d = (g / (1 + w / 100$		gm/cc	10.5	9.66	10.4	9.66	10.7	10.4
Relative Compaction		%	1.62	1.64	1.65	1.64	1.64	1.64
% of Compaction required		%	0.9100	0.9177	0.9224	0.9177	0.9183	0.9209
Remarks:			0.918					

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Test Result of Field Density Test

IS:2720 (Part-28)

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client				Date:	30-12-2020			
Contractor			Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.					
Customer Reference			B.B Umesh (S.M.L.P Asphats)					
Source of Sample			EE(PROJECT)/YNK ZONE/WO/173/2019-20					
Sample Type			Sample supplied by Agency					
Date of Test			Soil Field Density Test (FDD)					
MDD (gm/cc)			30-12-2020					
OMC (%)								
Field Density			1.785					
Weight of soil from hole (Ww)			10.4					
			Test 1	Test 2	Test 3	Test 4	Test 5	Test 6
Weight of Sand + Cylinder (W1)		gm	11156	11281	11836	11641	11726	11576
Weight of Sand + Cylinder after pouring		gm	30000	30000	30000	30000	30000	30000
Weight of Sand in Cone (W3)		gm	19452	19367	19062	19102	19127	19237
Weight of Sand in hole	(W_b	gm	2257	2257	2257	2257	2257	2257
Unit Weight of Sand (Gs)		gm/cc	8291	8376	8681	8641	8616	8506
Volume of the hole (v)=Wb/Gs		cc	1.321	1.321	1.321	1.321	1.321	1.321
Bulk Density of Soil γ = Ww / v		gm/cc	6276.31	6340.65	6571.54	6541.26	6522.33	6439.06
Moisture content by RMM		%	1.78	1.78	1.80	1.78	1.80	1.80
Dry density of soil γ_d = {g /(1 + w / 100		gm/cc	10.2	9.8	10.6	10.2	10.5	10.8
Relative Compaction		%	1.61	1.62	1.63	1.61	1.63	1.62
% of Compaction required		%	0.9036	0.9078	0.9123	0.9047	0.9115	0.9090
Remarks:			0.908					

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Test Result of Field Density Test

IS:2720 (Part-28)

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client						Date:	30-12-2020
Contractor			Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.				
Customer Reference			B.B Umesh (S.M.L.P Asphats)				
Source of Sample			EE(PROJECT)/YNK ZONE/WO/173/2019-20				
Sample Type			Sample supplied by Agency				
Date of Test			Soil Field Density Test (FDD)				
MDD (gm/cc)			30-12-2020				
OMC (%)							
Field Density			1.785				
Weight of soil from hole (Ww)			10.4				
Weight of Sand + Cylinder (W1)	gm	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6
Weight of Sand + Cylinder after pouring	gm	11211	11336	11891	11696	11781	11631
Weight of Sand in Cone (W3)	gm	30000	30000	30000	30000	30000	30000
Weight of Sand in hole (W_b	gm	19521	19436	19131	19171	19196	19306
Unit Weight of Sand (Gs)	gm/cc	2257	2257	2257	2257	2257	2257
Volume of the hole (v)=Wb/Gs	cc	8222	8307	8612	8572	8547	8437
Bulk Density of Soil $\gamma = Ww / v$	gm/cc	1.321	1.321	1.321	1.321	1.321	1.321
Moisture content by RMM	%	6224.07	6288.42	6519.30	6489.02	6470.10	6386.83
Dry density of soil $\gamma_d = \{g /(1 + w / 100$	gm/cc	1.80	1.80	1.82	1.80	1.82	1.82
Relative Compaction	%	10.5	9.66	10.4	10	10.73	10.7
% of Compaction required	gm/cc	1.63	1.64	1.65	1.64	1.64	1.65
	%	0.9132	0.9209	0.9256	0.9180	0.9212	0.9216
Remarks:		0.920					

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#1059, MIG-A Sector, Opp. Railwheel Factory,
Yelahanka New Town, Bangalore - 64
Ph : 8048505503 | Email : aartnassociates@gmail.com

Test Result of Inter Lock pavers

IS: 516 - 1959 | **Date: 18-01-2021**

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengal
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Refe	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Inter Lock pavers
Date of Test	18-01-2021
Location	

Sl. No	Details	Flexural Strength	Compressive Strength	Aveerage Compressive Strength
		mpa	N/mm^2	N/mm^2
1	Paver Block	4.10	36.5	36.86
2	Paver Block	4.42	38.02	
3	Paver Block	3.90	36.05	

Remarks :

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Test Result of Inter Lock pavers

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Name of Work : Comprehensive Development works in ward No. 03 Attur | **Date: 19-01-2021**

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengal
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Refe	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Inter Lock pavers
Date of Test	19-01-2021
Location	

Sl. No	Details	Flexural Strength	Compressive Strength	Aveerage Compressive Strength
		mpa	N/mm^2	N/mm^2
1	Paver Block	4.17	35.54	35.97
2	Paver Block	3.85	37.12	
3	Paver Block	4.29	35.26	

Remarks :

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Test Result of Inter Lock pavers

IS: 516 - 1959

Name of Work : Comprehensive Development works in ward No. 03 Attur | **Date: 19-01-2021**

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengal
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Refe	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Inter Lock pavers
Date of Test	19-01-2021
Location	

Sl. No	Details	Flexural Strength	Compressive Strength	Aveerage Compressive Strength
		mpa	N/mm^2	N/mm^2
1	Paver Block	4.05	36.2	35.45
2	Paver Block	4.37	35.2	
3	Paver Block	4.25	34.95	

Remarks :

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Test Result of Inter Lock pavers

IS: 516 - 1959

Name of Work : Comprehensive Development works in ward No. 03 Attur

Date: 28-01-2021

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengal
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Ref	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Inter Lock pavers
Date of Test	28-01-2021
Location	

Sl. No	Details	Flexural Strength	Compressive Strength	Aveerage Compressive Strength
		mpa	N/mm^2	N/mm^2
1	Paver Block	3.92	36.74	36.61
2	Paver Block	4.04	35.1	
3	Paver Block	3.77	37.99	

Remarks :

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Ph : 8048505503 | Email : aartnassociates@gmail.com

Test Result of Inter Lock pavers

IS: 516 - 1959

Name of Work : Comprehensive Development works in ward No. 03 Attur | **Date: 28-01-2021**

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengal
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Refe	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Inter Lock pavers
Date of Test	28-01-2021
Location	

Sl. No	Details	Flexural Strength	Compressive Strength	Aveerage Compressive Strength
		mpa	N/mm^2	N/mm^2
1	Paver Block	4.12	35.28	35.77
2	Paver Block	4.00	36.5	
3	Paver Block	4.17	35.53	

Remarks :

JC

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